

## INTERNATIONAL SEARCH REPORT

International Application No

T/US2004/030019

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 G02F1/15 G04F1/02 G09F3/02

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 G02F G04F G09F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC, IBM-TDB, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 198 701 B1 (DE JONGHE LUTGARD C ET AL) 6 March 2001 (2001-03-06) column 3, line 7 - column 7, line 16; claims; figures 1-4 -----	1,2,6,7, 9-11,20 3
X	US 6 285 492 B1 (PARKER ROBERT ET AL) 4 September 2001 (2001-09-04) column 2, line 10 - column 11, line 46; figures 1-9,13,18-22 -----	1,2
A	US 5 930 023 A (PARKER ROBERT ET AL) 27 July 1999 (1999-07-27) column 5, line 16 - column 12, line 32; figures 1-5,10-15 -----	5-11
X		1,2
A		5-11
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

16 November 2004

Date of mailing of the international search report

06/12/2004

Name and mailing address of the ISA  
 European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax (+31-70) 340-3016

Authorized officer

Kiernan, L

## INTERNATIONAL SEARCH REPORT

International Application No

T/US2004/030019

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 10, 8 October 2003 (2003-10-08) & JP 2003 172957 A (SONY CORP), 20 June 2003 (2003-06-20) abstract -----	3
Y	PATENT ABSTRACTS OF JAPAN vol. 0124, no. 15 (P-781), 4 November 1988 (1988-11-04) & JP 63 153525 A (FUJI ELECTRIC CO LTD), 25 June 1988 (1988-06-25) abstract -----	3
A	DE 198 18 716 A (WISCONSIN LABEL CORP) 29 October 1998 (1998-10-29) column 4, line 38 - column 9, line 56; figures 1-8 -----	1,2
A	US 2002/014768 A1 (MITCHELL CHAUNCEY T ET AL) 7 February 2002 (2002-02-07) paragraph '0043! - paragraph '0100!; figures -----	1,2

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

T/US2004/030019

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 6198701	B1	06-03-2001	NONE		
US 6285492	B1	04-09-2001	NONE		
US 5930023	A	27-07-1999	US 6243192 B1		05-06-2001
			CA 2236202 A1		28-10-1998
			CA 2236203 A1		28-10-1998
			DE 19818716 A1		29-10-1998
			DE 19818717 A1		29-10-1998
			GB 2324883 A		04-11-1998
			GB 2324884 A		04-11-1998
			US 5912759 A		15-06-1999
JP 2003172957	A	20-06-2003	NONE		
JP 63153525	A	25-06-1988	NONE		
DE 19818716	A	29-10-1998	CA 2236202 A1		28-10-1998
			CA 2236203 A1		28-10-1998
			DE 19818716 A1		29-10-1998
			DE 19818717 A1		29-10-1998
			GB 2324883 A		04-11-1998
			GB 2324884 A		04-11-1998
			US 5930023 A		27-07-1999
			US 5912759 A		15-06-1999
			US 6243192 B1		05-06-2001
US 2002014768	A1	07-02-2002	US 6270122 B1		07-08-2001
			US 2004051299 A1		18-03-2004
			CA 2322607 A1		22-04-2001
			DE 10046332 A1		26-04-2001
			GB 2358611 A ,B		01-08-2001